

October 28, 1998

Mr. Bill Stalker  
Tennessee Valley Authority  
P.O. Box 292409, Bldg 1, Suite 300  
565 Marriott Drive  
Nashville, Tennessee 37229-2409

Re: Peytonsville Road Test holes #1 & 2 (HERITAGE CAMPUS)  
Franklin, Tennessee

This office performed a thermal conductivity test on two(2) 200 feet deep, 6 inch diameter vertical bore, backfilled with drilled tailings, October 20 & 22, 1998. The following data was derived from test data:

Thermal Conductivity	1.60 BTU/HR-F
Ground Temperature	60.0 F

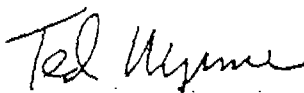
We feel that based on our observation of the terrain, the above is representative of the area where field bores will be located for this project.

The driller's logs are enclosed herewith. Apparently, the driller encountered two different limestones. I'm working with a geologist about reasons that these holes are slightly lower in thermal conductivity than others we tested in limestone. It seems that the different densities of rock and the way the rock has formed cause differences in thermal conductivity.

Please let us know if any additional information is needed.

Sincerely,

TED WYNNE ENGINEERING CONTRACTORS, INC.



Ted Wynne, P.E.

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NO DRILL LOG